

Tenth Annual Great Divide Weather Workshop
Billings, Montana
October 3-5, 2006

Tuesday, October 3

12:00 -1:00	Registration
1:00	Welcome and Introductions Keith Meier – <i>WFO Billings, MT</i>
1:05	Presentation from U.S. Senator Max Baucus Liz Ching – <i>Constituent Services Director</i> <i>Office of U.S. Senator Max Baucus – Billings, MT</i>
1:10	State of the National Weather Service with Question and Answer Session BGEN D.L. Johnson – <i>Director, NOAA's National Weather Service</i>
1:55	NOAA's National Weather Service and the Kampgrounds of America: A Partnership for Public Safety Scott Carpenter, Tom Frieders, Jim Maczko and Matt Solum <i>WFO Billings, MT</i>
2:25	Break
2:35	Weather and Society Integrated Studies: Changing the Culture of Meteorology to Embrace Societal Impacts – Moving from What WAS to What IS Dr. Eve Gruntfest – <i>University of Colorado – Colorado Springs, CO</i>
3:35	A Vision for Outreach in the National Weather Service Mike Cantin – <i>WFO Pocatello, ID</i>
3:55	Break
4:10	Weather & Society: Using Climate Data for Disaster Preparedness and Public Education Pamela Shrauger – <i>Big Sky Hazard Management LLC – Bozeman, MT</i>
4:45	Back to the Future with Lewis and Clark John Pulasky – <i>Our Montana Inc. – Billings, MT</i>
5:10	- Adjourn -

Wednesday, October 4

8:00

POSTER SESSION

Weather and Society: Integrated Studies Projects in the Making
Tanja Fransen – *WFO Glasgow, MT*

Record Summer Heat in Bismarck CWA for 2006
Nathan Heinert and **Vic Jensen** – *WFO Bismarck, ND*

The Community Collaborative Rain, Hail and Snow Network
(CoCoRaHS): Volunteers Making Quality Precipitation Measurements
to Supplement Existing Hydrometeorological Networks
Nolan J. Doesken, Henry W. Reges and **Julian Turner**
Colorado State University – Fort Collins, CO

Observational Analysis of Snow Crystal Type and their Associated Snow
to Liquid Ratios
Don Moore – *WFO Billings, MT*

Google Earth Applications for WFOs
Don Britton – *WFO Great Falls, MT*

Deriving Forecast Grids Utilizing GFS Ensemble Data in GFE
Don Moore and **Bill Rasch** – *WFO Billings, MT*

8:15

Break

8:40

Space Weather: Challenges and Opportunities
Dr. Thomas Bogdan
NOAA's Space Environment Center – Boulder, CO

9:25

StormLog and Associated Google Earth Applications at WFO Billings
Dan Borsum, Don Moore and **Matt Solum** – *WFO Billings, MT*

9:45

Break

9:55

The Storm Prediction Center Fire Weather Program and Recent Fire
Events across the Northern Rockies and Northern High Plains
Jared Guyer – *NOAA's Storm Prediction Center – Norman, OK*

10:40

The IMET Experience and Application at the WFO
Dan Borsum – *WFO Billings, MT*
Jennifer Zeltwanger – *WFO Glasgow, MT*

11:00

Forecasting High Wind Events in Grangeville, Idaho
Michael S. Johnson – *WFO Missoula, MT*

11:20

Lunch

Wednesday, October 4 - Continued

- 12:45 A Review of the Weather Pattern in Montana for the 2005-2006 Cool Season and the Correlations to Tropical Convection
Don Moore – *WFO Billings, MT*
Eugene Petrescu – *WFO Missoula, MT*
- 1:10 How Do Tropical Systems near the East Asian Coast Impact Montana Weather?
Don Moore – *WFO Billings, MT*
Eugene Petrescu – *WFO Missoula, MT*
- 1:35 **Break**
- 1:50 New Gridded MOS Precipitation Products: Making the Transition from Station-Based Guidance to a True High-Resolution Forecast
Mark Antolik
NOAA's Meteorological Development Laboratory – Silver Spring, MD
- 2:35 Post-Processing MOS Using a Moving Average Approach
Don Britton – *WFO Great Falls, MT*
- 2:55 Studying the Effectiveness of the WRF NWP Model in Forecasting Events in Western Montana
Anna Klene and **Don Morton** – *University of Montana – Missoula, MT*
Eugene Petrescu – *WFO Missoula, MT*
- 3:20 **Break**
- 3:35 The HPC Winter Weather and Model Diagnostics Desks
Richard Bann
NOAA's Hydrometeorological Prediction Center – Camp Springs, MD
- 4:20 Utilization of Climatological POPs to Enhance the Extended Forecast Process
Joe Lester and **Brian Tesar** – *WFO Billings, MT*
- 4:40 Western Region Climatological PoP Grids for GFE
Bill Rasch – *WFO Billings, MT*
- 5:00 - Adjourn -

Tenth Annual Great Divide Workshop Banquet
Billings Crowne Plaza Hotel – Skytop Room – 23rd Floor

5:30 PM – Social Hour (Cash Bar Available)

6:30 PM – Banquet

Key Note Speaker: Roger Hill
Silver Lining Storm Chase Tours – Bennett, CO

Thursday, October 5

- 8:00 The Changing World of Aviation Weather Information and Its Use
Jack May
NOAA's Aviation Weather Center – Kansas City, MO
- 8:30 Weather Systems and Their Effects on the 341 Space Wing Complex at Malmstrom Air Force Base, MT
Lt. Brian H. Yates
Malmstrom Air Force Base – Great Falls, MT
- 8:50 Severe Weather Warning Decision Making Research and Development Improvements
Gregory J. Stumpf
NOAA's National Severe Storms Laboratory – Norman, OK
- 9:20 Break**
- 9:30 The Community Collaborative Rain, Hail and Snow Network (CoCoRaHS)
Nolan J. Doesken, Henry W. Reges and Julian Turner
Colorado State University – Fort Collins, CO
- 10:00 An Observational Analysis of a Severe Damaging Wind Event
Jon Chamberlain – *WFO Bismarck, ND*
- 10:20 Impact of Multiple-Wind Turbines on a Nearby WSR-88D Radar
Steve Brueske – *WFO Great Falls, MT*
- 10:40 October 4-5, 2005 Snow Event in Billings, MT
Scott Carpenter, Don Moore, Matt Solum, and Liz Stoppkotte
WFO Billings, MT
- 11:00 Workshop Summary and Conclusion
- 11:10 - Adjourn -**